CLAIMS

We Claim:

1. A canister guard for coupling to a canister at an outlet thereof and for preventing liquid chemical in the canister from exiting through the outlet when pressure is applied through a canister inlet of the canister.

2. The canister guard of claim 1 for removably coupling to the canister.

3. The canister guard of claim 1 comprised of one of stainless steel and a synthetic fluorinated hydrocarbon.

4. The canister guard of claim 1 comprising a sidewall having sidewall inlet therethrough to alow air from the canister through to the outlet.

5. The canister guard of claim 4 further comprising a baffle extending from said sidewall for the preventing.

6. The canister guard of claim 5 wherein said sidewall inlet is one of a baffle inlet through said baffle and lower inlet below said baffle.

7. The canister guard of claim 5 having a length there across, said baffle extending a distance from said sidewall at least about half of the length.

8. The canister guard of claim 7 wherein the length is a diameter of between about 1/8 inches and about ¾ inches.

9. A canister guard comprising:

a sidewall for extending through an outlet of a canister, said sidewall having a sidewall inlet therethrough; and

a baffle extending from said sidewall.

10. The canister guard of claim 9 having a length of between about 4 inches and about 6 inches.

11. The canister guard of claim 9 further comprising a sealed bottom extending from said sidewall said sidewall, said baffle and said sealed bottom to prevent liquid chemical from exiting the canister through the outlet when pressure is applied through a canister inlet of the canister.

12. The canister guard of claim 9 wherein the sidewall inlet is a lower inlet below said baffle.

13. The canister guard of claim 9 further comprising a lip for removably securing said canister guard at the outlet.

14. A canister for containing liquid chemical, said canister comprising a canister guard over an outlet of the canister for preventing liquid chemical from exiting therethrough when pressure is applied through a canister inlet of the canister.

15. The canister of claim 14 wherein said canister guard is removable.

16. The canister of claim 14 wherein said canister guard includes a sidewall with a baffle extending therefrom.

17. The canister of claim 14 wherein the canister inlet is located at said canister substantially opposite the outlet.

18. A liquid delivery system comprising;

a remote cabinet;

a canister housed in said remote cabinet and having a canister guard over an outlet thereof for preventing liquid from exiting therethrough when pressure is applied through a canister inlet of said canister; and

a reactor coupled to said remote cabinet to receive a portion of the liquid.

19. The liquid delivery system of claim 18 wherein the liquid includes one of tetramethylorthosilicate, titanium tetramethylcyclotetrasiloxane, tetrikis dimethyl-amino titanium, tetramethylborate, triethylborate, trimethylphosphate, triethyphosphate, trimethylphosphite and trimethyl silane.

20. The liquid delivery system of claim 18 wherein said reactor is a chemical vapor deposition apparatus.

21. The liquid delivery system of claim 18 wherein said canister is a bulk canister coupled to a process canister in said remote cabinet via the canister inlet.

22. The liquid delivery system of claim 21 wherein the bulk canister and the process canister include level sensors.

23. The liquid delivery system of claim 21 wherein the bulk canister is replaceable.

24. A method comprising purging a liquid from a line coupled to a canister at an inlet thereof, the canister including a canister guard at a canister outlet thereof for substantially preventing the liquid from exiting through the canister outlet.

25. The method of claim 24 wherein the canister is a first canister and further comprising:

disassociating the first canister from the line;

removing the canister guard from the first canister; and

replacing the first canister with a second canister

26. The method of claim 24 further comprising:

disassociating the canister from the line; and

filling the canister with liquid.